

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

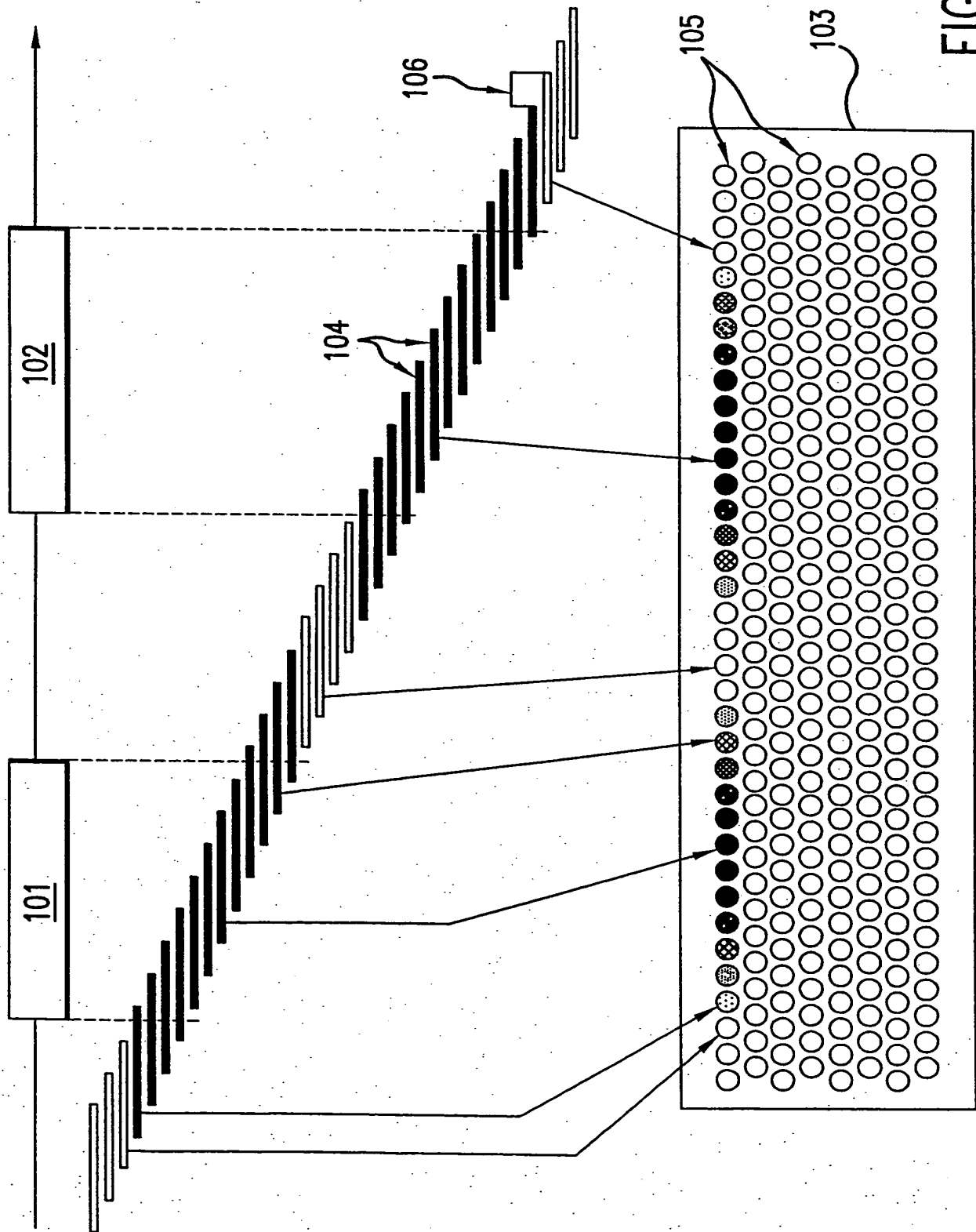
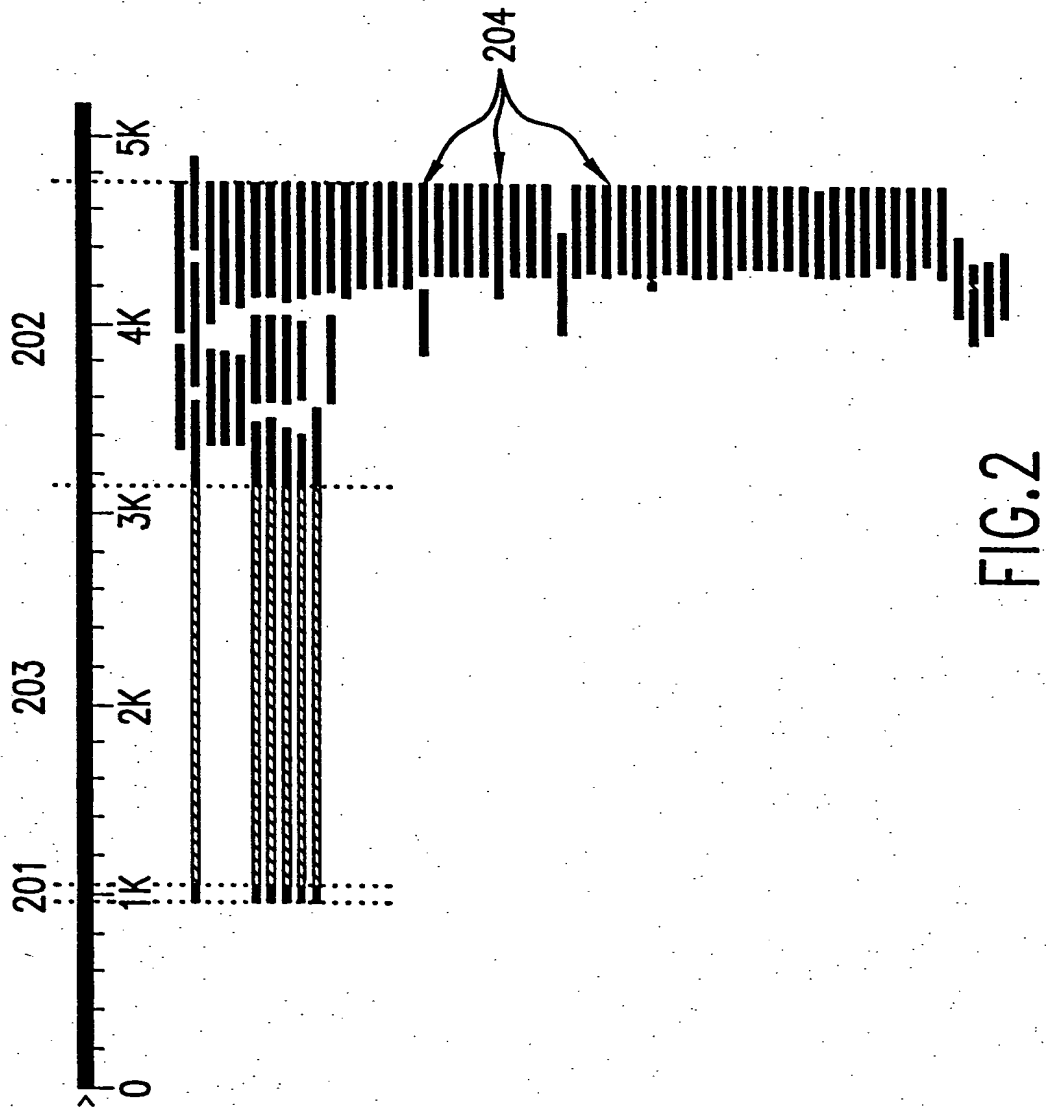


FIG.1



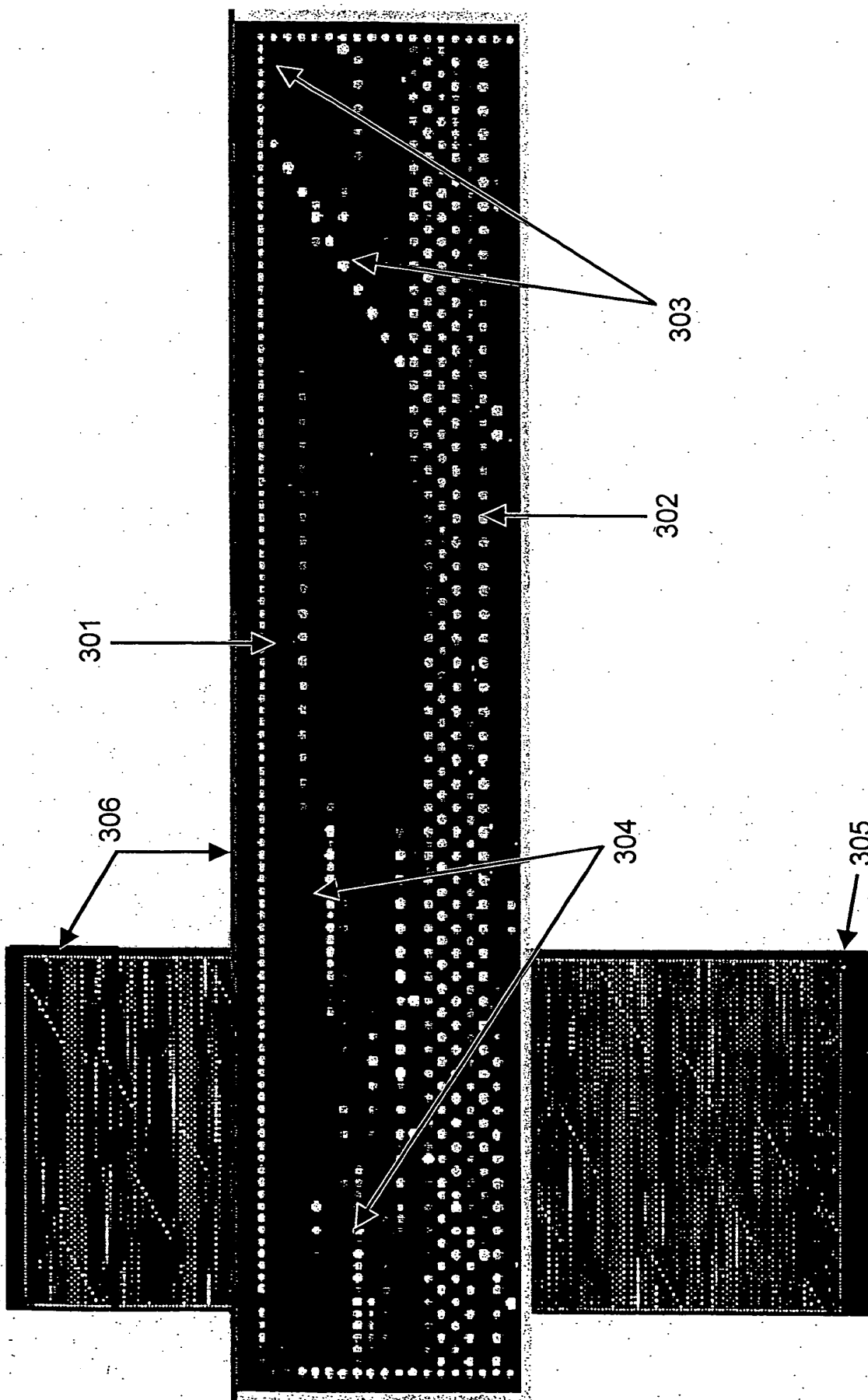
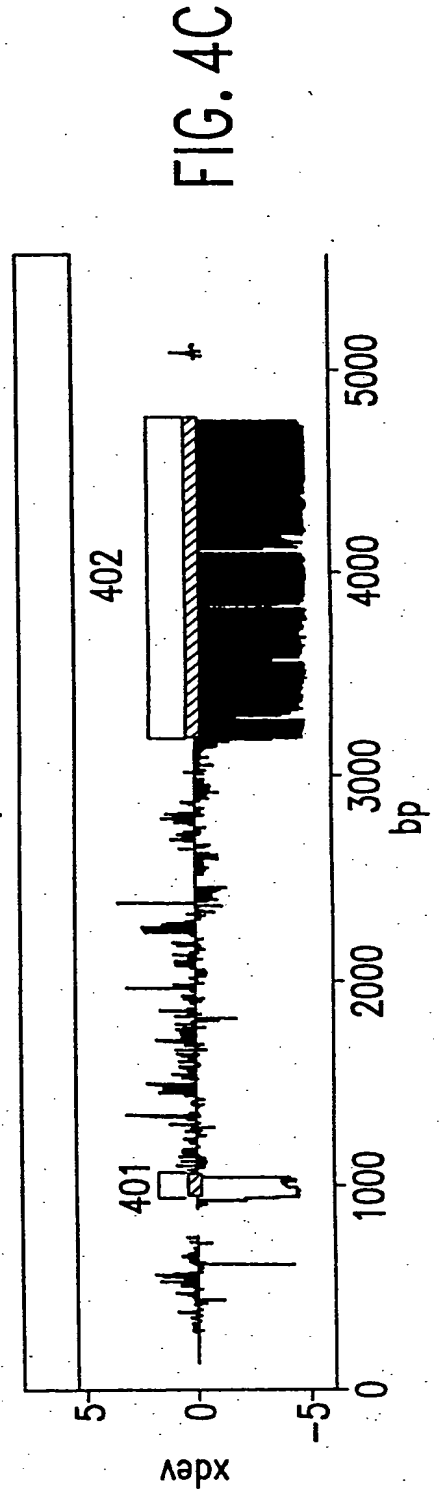
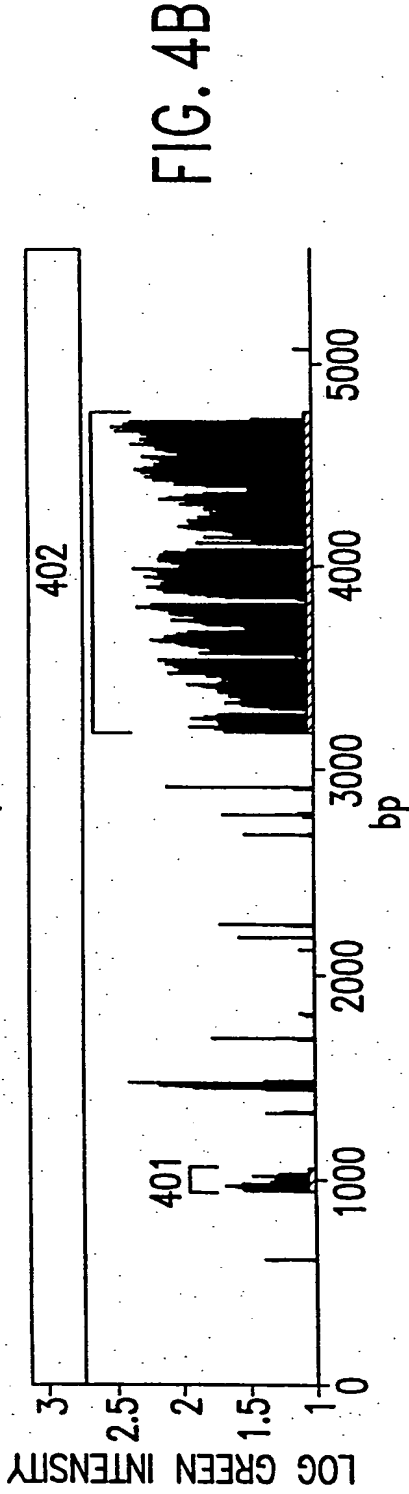
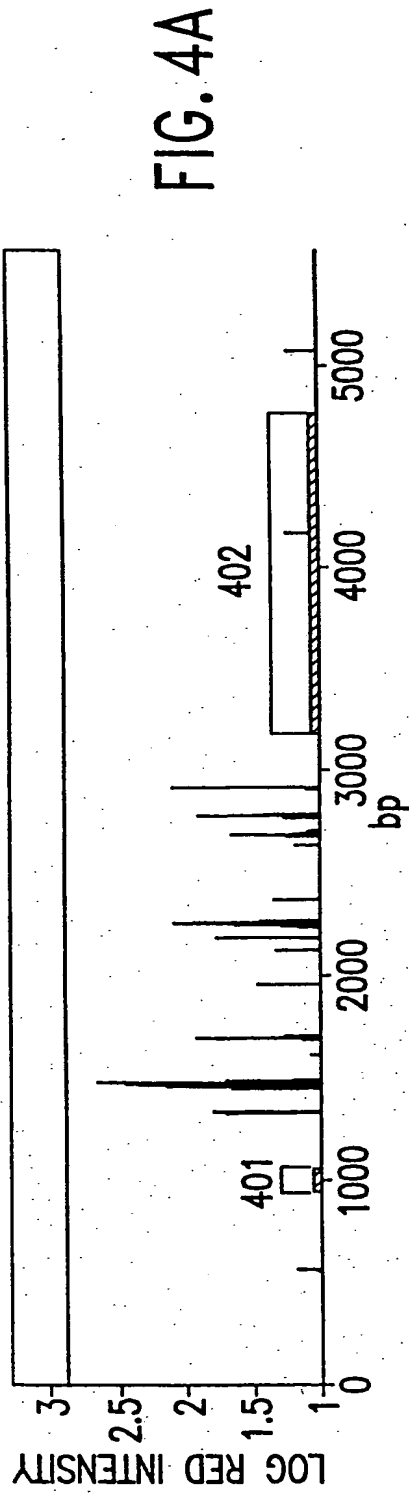


FIG. 3



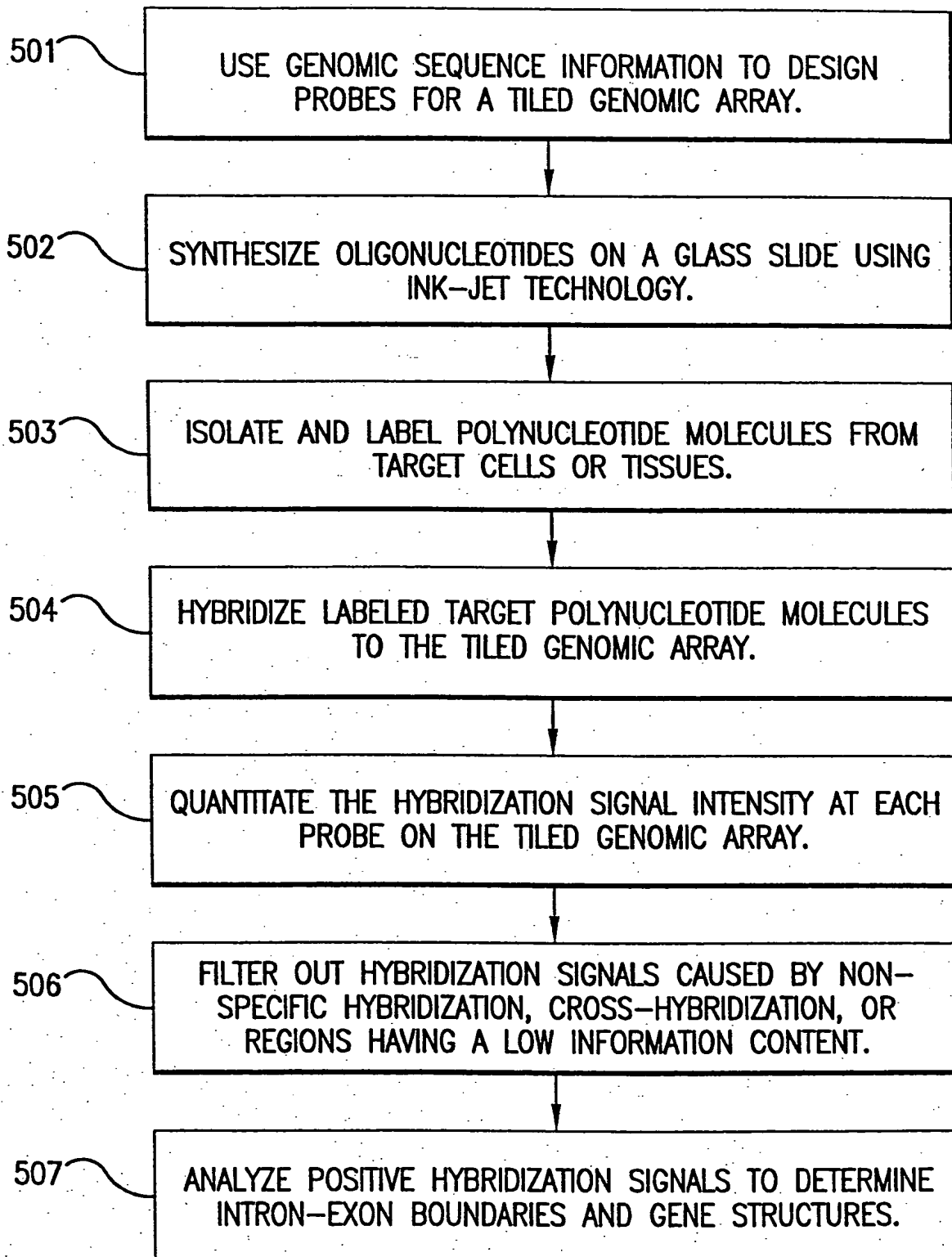


FIG.5

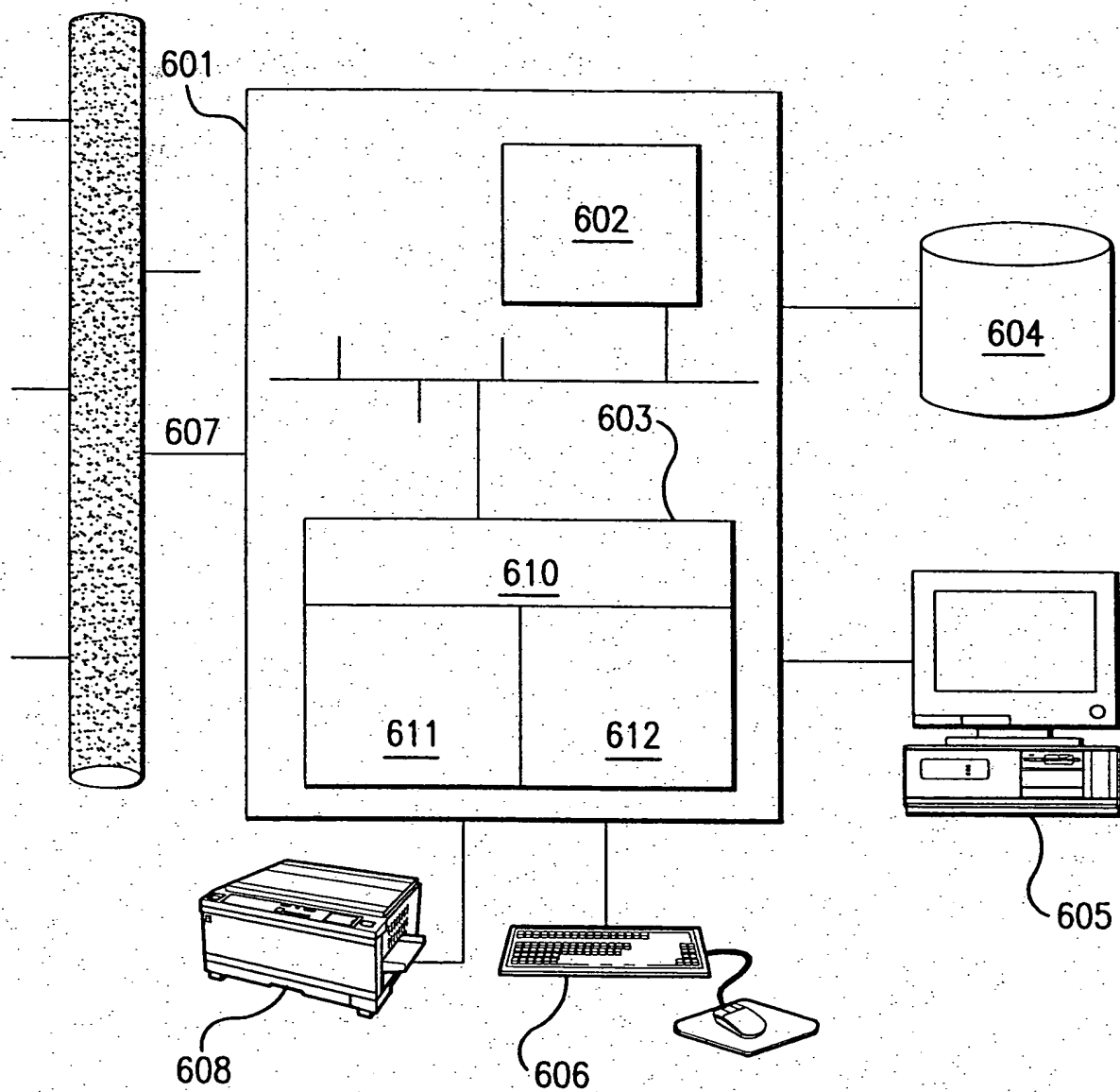


FIG. 6

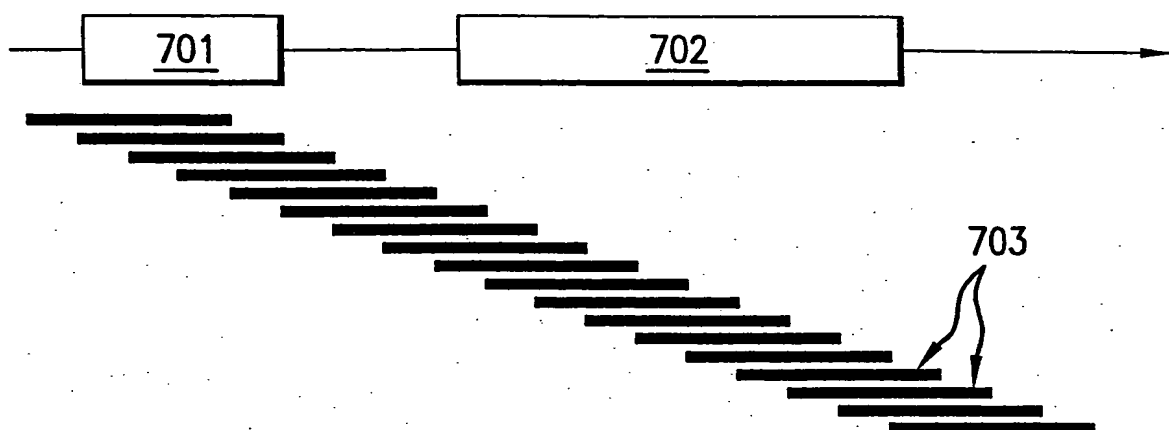


FIG. 7A

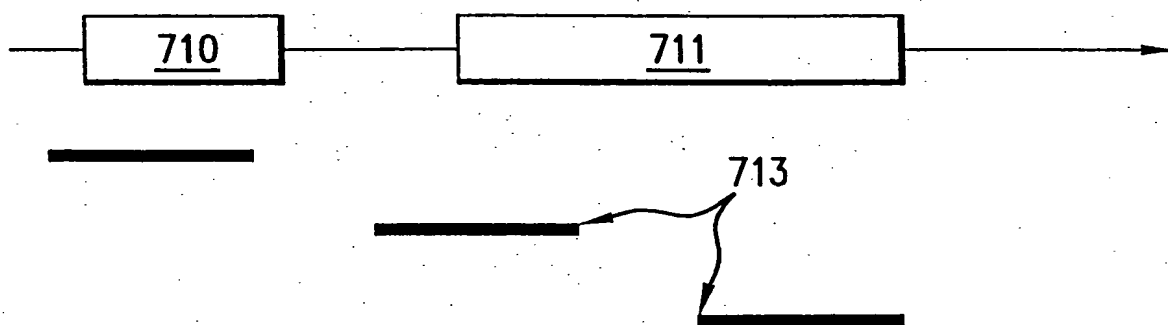


FIG. 7B

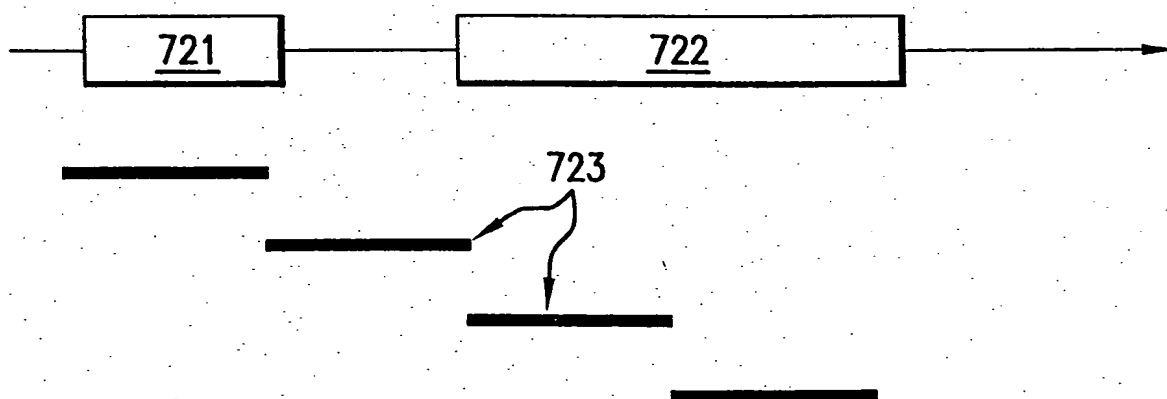


FIG. 7C

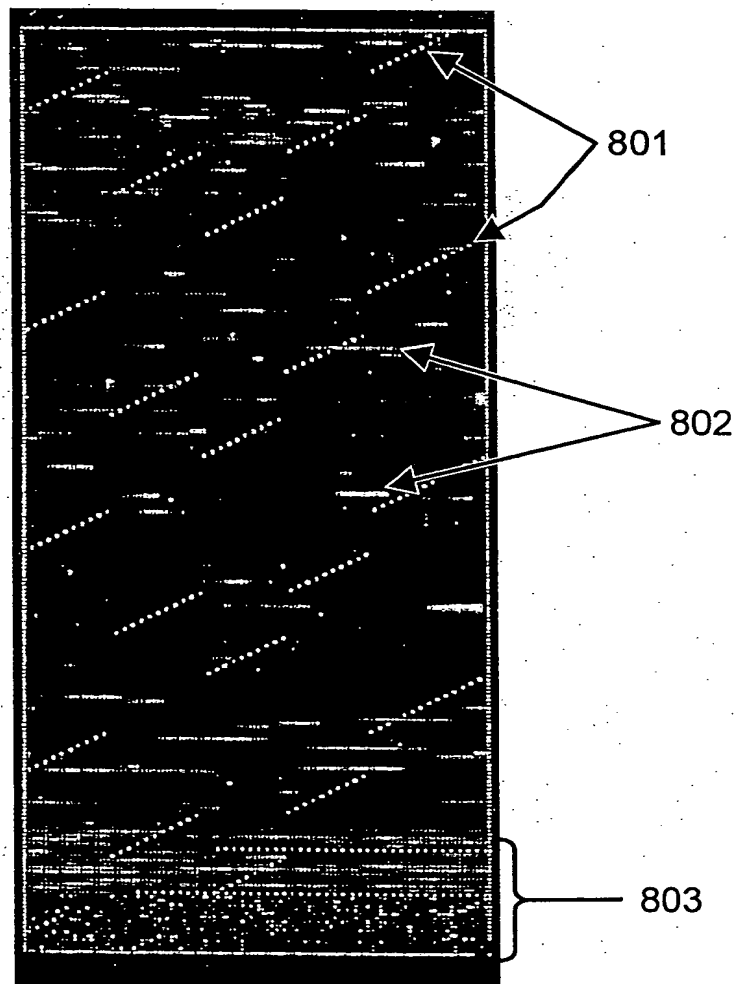


FIG.8

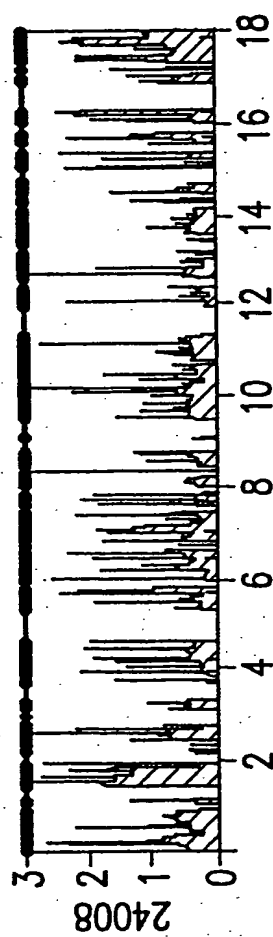


FIG. 9A

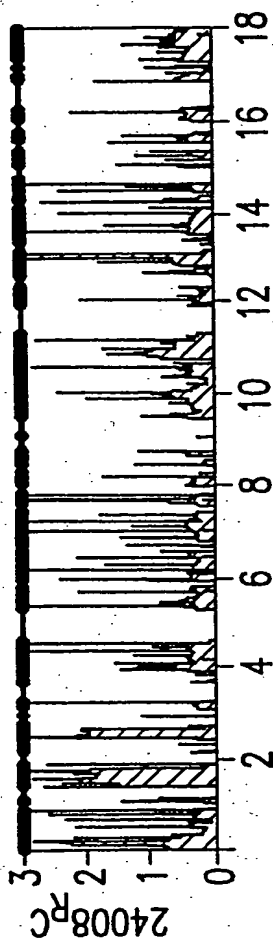


FIG. 9B

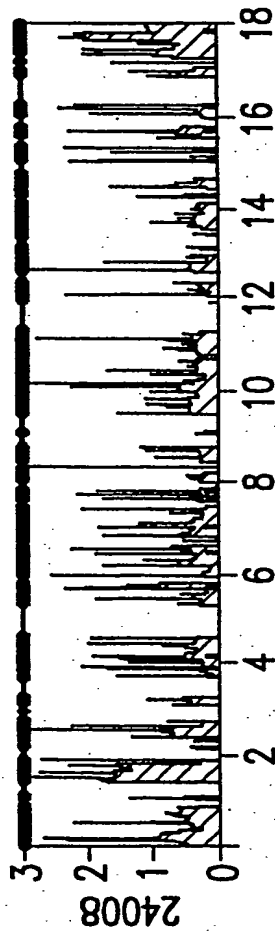


FIG. 10A

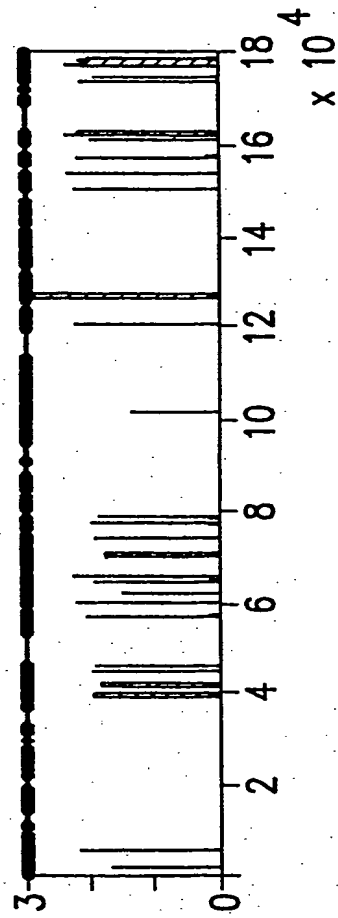
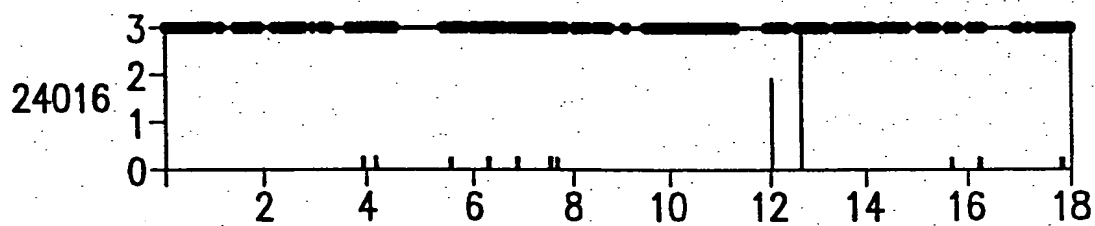
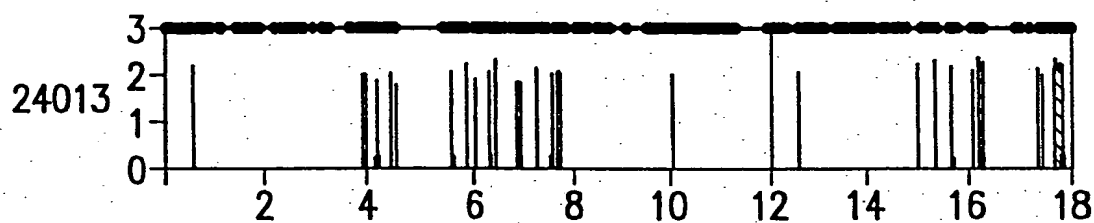
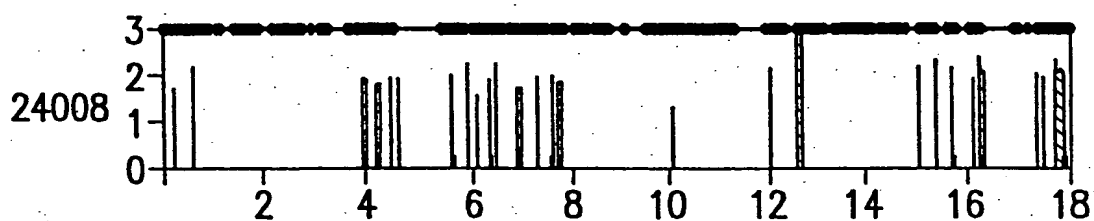
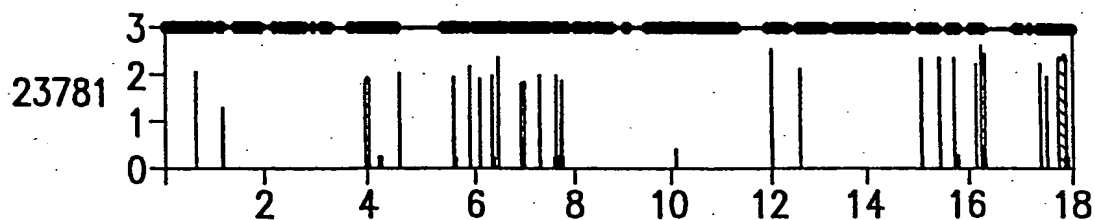


FIG. 10B



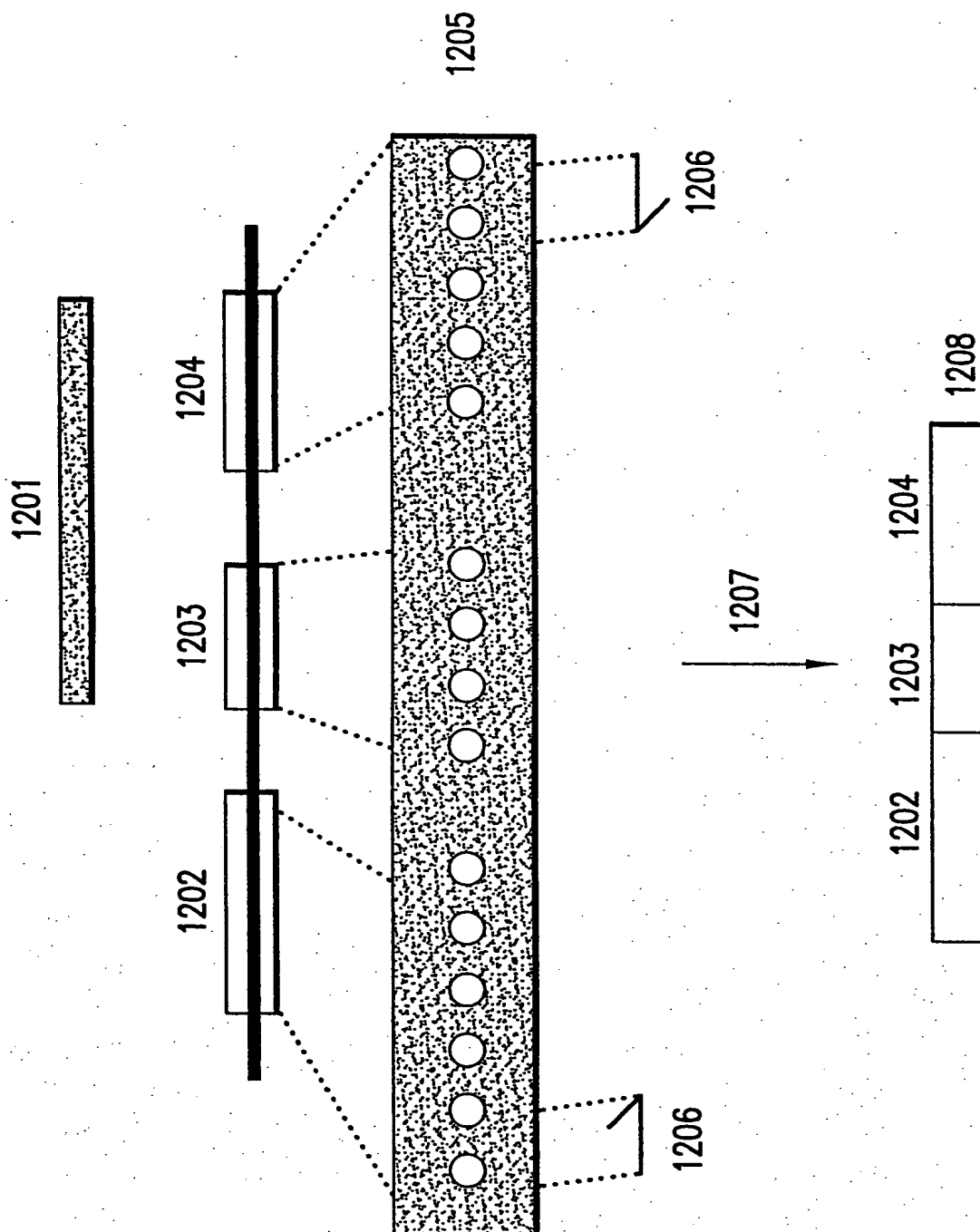


FIG. 12

~8,000 exons covering 33 MB region Human Chromosome 22 list of conditions

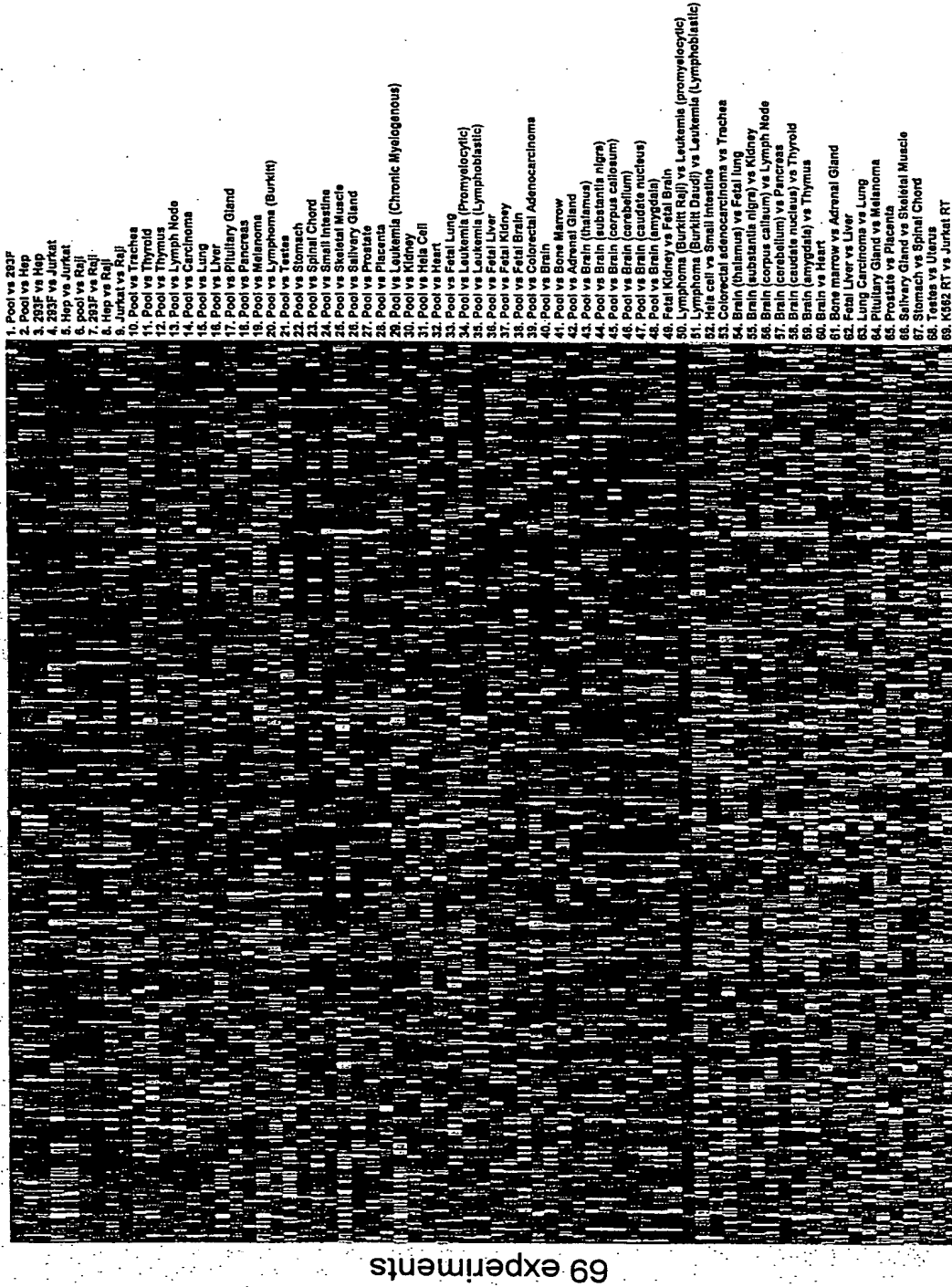


FIG. 13A

probe
index

CONT. ON FIG. 13B

CONT. ON FIG. 13C

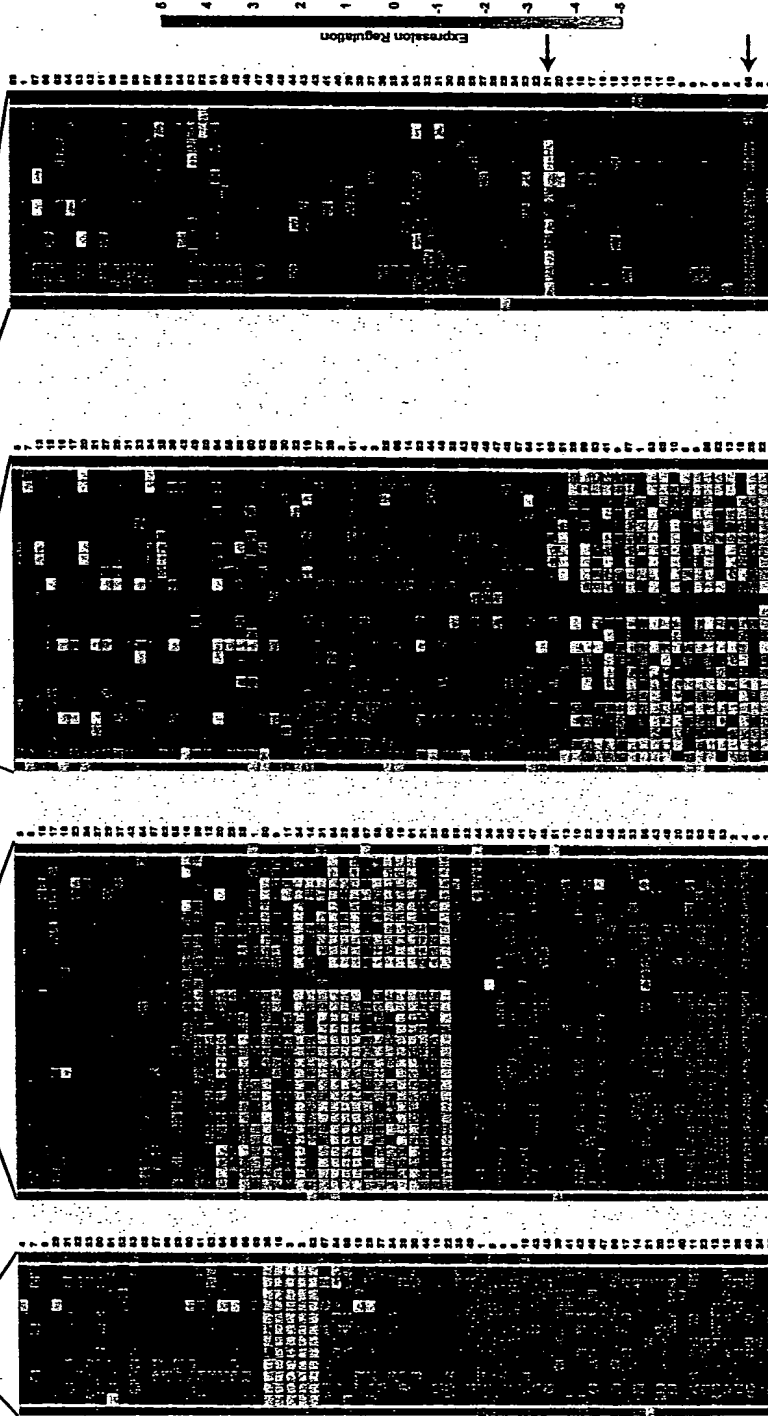
CONT. ON FIG. 13D

CONT. ON FIG. 13E

1. Pool vs 232F
2. Pool vs Hep
3. 232F vs Hep
4. 232F vs Jurkat
5. Hep vs Jurkat
6. pool vs Raji
7. 232F vs Raji
8. Hep vs Raji
9. Jurkat vs Raji
10. Pool vs Trachea
11. Pool vs Thyroid
12. Pool vs Thymus
13. Pool vs Lymph Node
14. Pool vs Carcinoma
15. Pool vs Lung
16. Pool vs Liver
17. Pool vs Pituitary Gland
18. Pool vs Pancreas
19. Pool vs Melanoma
20. Pool vs Lymphoma (Burkitt)
21. Pool vs Testes
22. Pool vs Stomach
23. Pool vs Spinal Chord
24. Pool vs Small Intestine
25. Pool vs Skeletal Muscle
26. Pool vs Salivary Gland
27. Pool vs Prostate
28. Pool vs Placenta
29. Pool vs Leukemia (Chronic Myelogenous)
30. Pool vs Kidney
31. Pool vs HeLa Cell
32. Pool vs Heart
33. Pool vs Fetal Lung
34. Pool vs Leukemia (Promyelocytic)
35. Pool vs Leukemia (Lymphoblastic)
36. Pool vs Fetal Liver
37. Pool vs Fetal Kidney
38. Pool vs Fetal Brain
39. Pool vs Colorectal Adenocarcinoma
40. Pool vs Brain
41. Pool vs Bone Marrow
42. Pool vs Adrenal Gland
43. Pool vs Brain (thalamus)
44. Pool vs Brain (substantia nigra)
45. Pool vs Brain (corpus callosum)
46. Pool vs Brain (cerebellum)
47. Pool vs Brain (caudate nucleus)
48. Pool vs Brain (amygdala)
49. Pool vs Brain (hippocampus)
50. Fetal Kidney (Burkitt Raji) vs Leukemia (promyelocytic)
51. Lymphoma (Burkitt Raji) vs Leukemia (Lymphoblastic)
52. HeLa cell vs Small Intestine
53. Colorectal adenocarcinoma vs Trachea
54. Brain (thalamus) vs Fetal lung
55. Brain (substantia nigra) vs Kidney
56. Brain (corpus callosum) vs Lymph Node
57. Brain (cerebellum) vs Pancreas
58. Brain (caudate nucleus) vs Thyroid
59. Brain (amygdala) vs Thymus
60. Brain vs Heart
61. Bone marrow vs Adrenal Gland
62. Fetal Liver vs Liver
63. Lung Carcinoma vs Lung
64. Pituitary Gland vs Melanoma
65. Prostate vs Placenta
66. Salivary Gland vs Skeletal Muscle
67. Stomach vs Spinal Chord
68. Testes vs Uterus
69. K562 RT vs Jurkat RT

CONTINUED ON FIG.13A

69 experiments



Gene symbol SERPIND1
 Database ID NM_000185
 Coordinates 4723507-4731932

G22P1
 NM_001469
 25445638-25487686

Similar to CGI-101 protein
 Unigene/Hs.14587, Hs.269963
 7766972-7769292

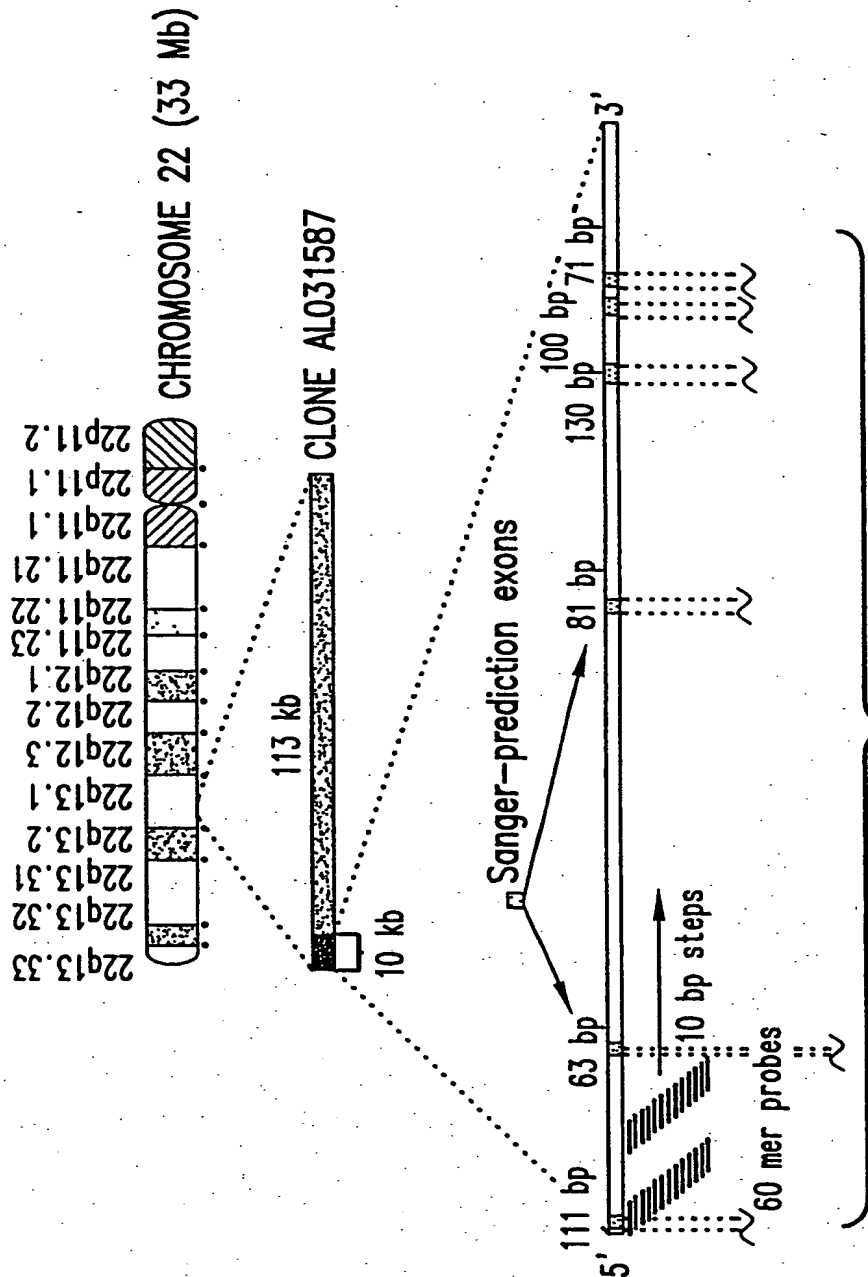
21767381-21776810

FIG.13B

FIG.13C

FIG.13D

FIG.13E



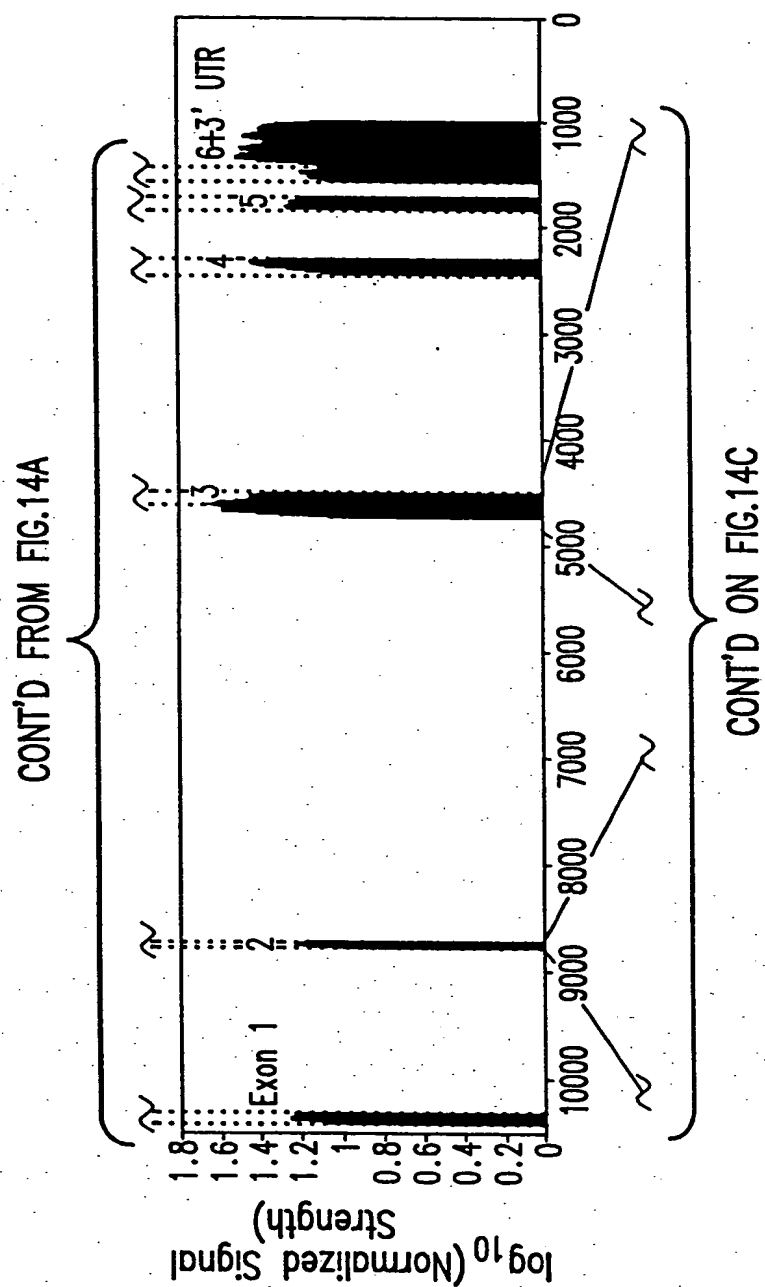


FIG. 14B

CONT'D FROM FIG.14B

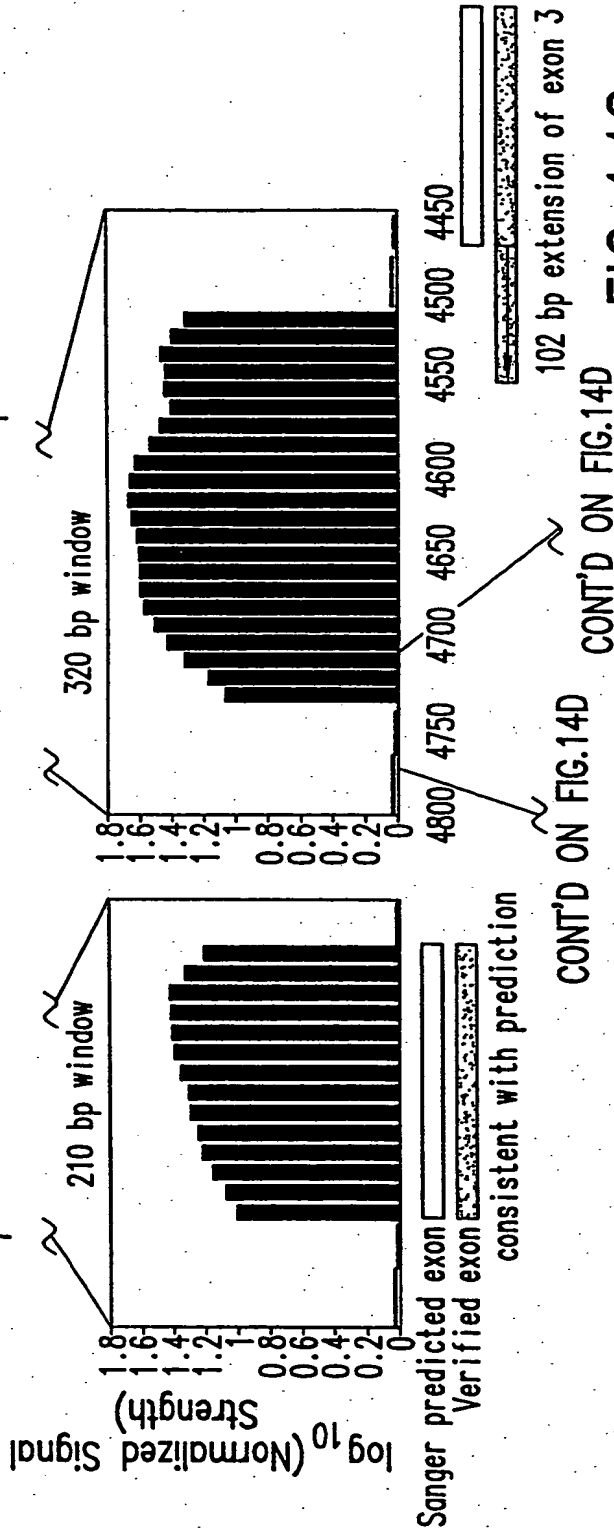


FIG.14C

CONT'D FROM FIG.14C

splice junction location window
 derived from tiling data

5' GGGTCTCCACCCCAACTCTTCGTTCCCGAGGAGAGATGCTTTGCCCTACAGTCCAG...

splice site

sequence of exon 3

FIG.14D

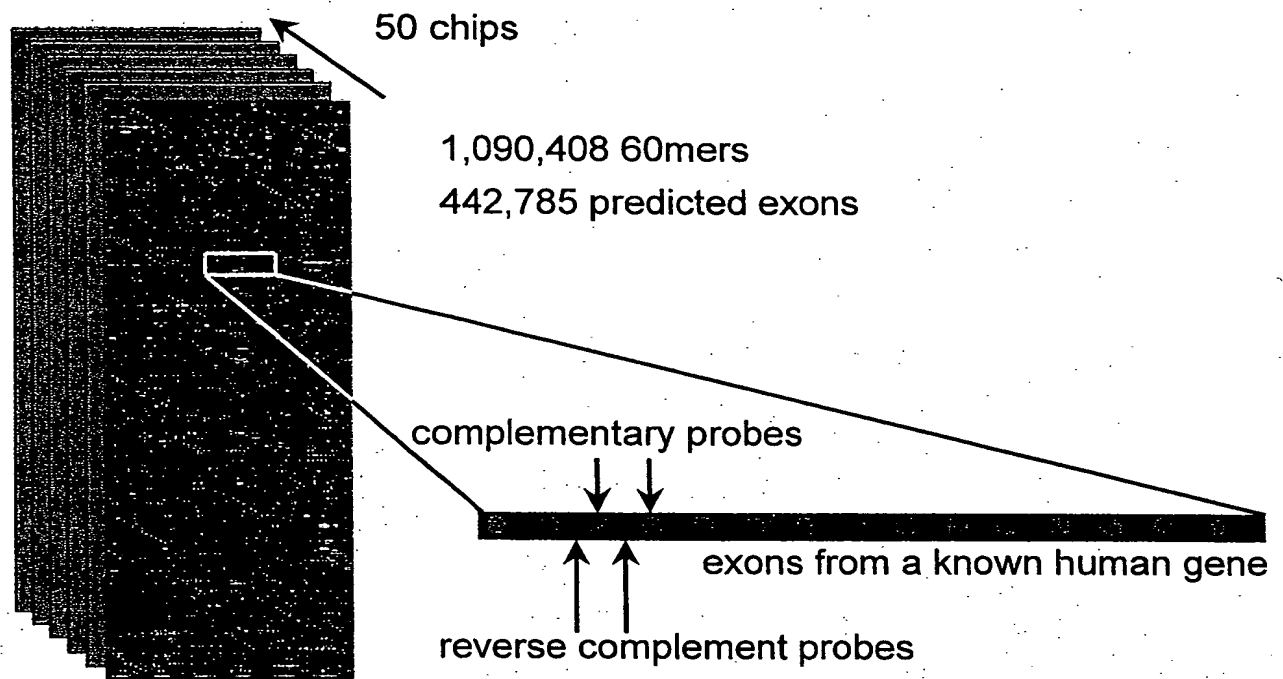


FIG.15A

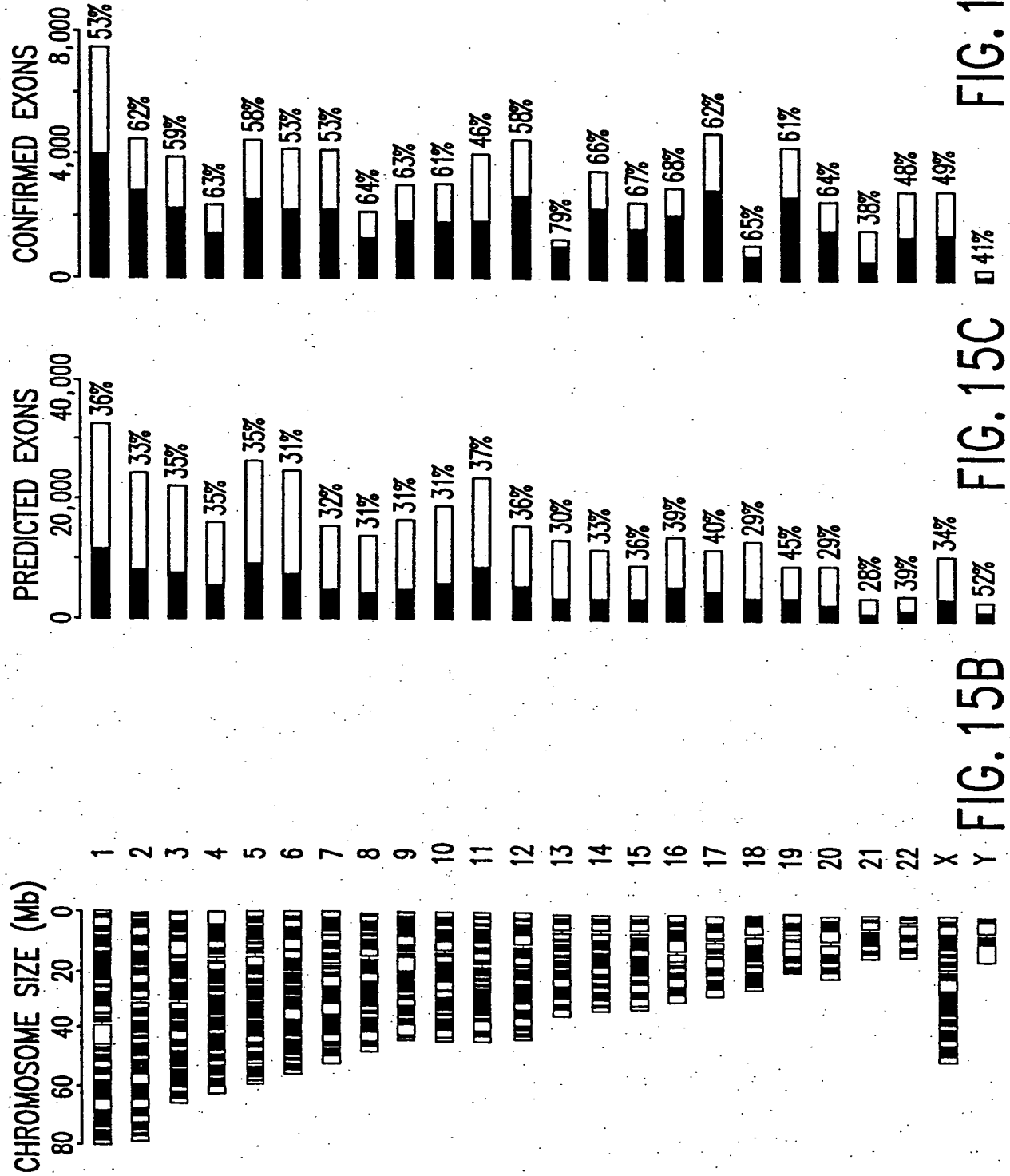


FIG. 15D

FIG. 15C

FIG. 15B